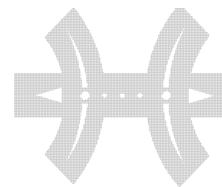


FLY CASE
PRO

EXTERNAL STORAGE PERIPHERALS



V 1.1

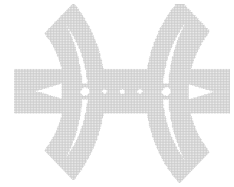
FIREWIRE 800

user's manual



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ATTENTION

Thank you and congratulations for choosing a product from the PikaOne range. This product has all the latest innovations in technology and is sure to meet your requirements. Please note that when we refer in this manual to your FLYCASE product, we will often use the term “external peripheral”.



RECOMMENDATIONS AND GUARANTEE

For your safety and in adherence to the guarantee, it is strictly forbidden to remove one or more panels from your FLYCASE product; do not insert either your hand or any metal object into it. Only qualified technicians are authorized to open the unit and to access the internal electronic components.

The electronic boards and components with high-level integration inside your product are highly sensitive to any electrostatic discharge, and any contact with a metal object such as a screw, or any kind of tool, risks damaging them.

GUARANTEE

PikaOne products have been designed to ensure storage and exchange of computerized data. However, the PikaOne company cannot be held responsible for inappropriate use of this equipment or for loss of any information stored in your sub-system following a problem of use or any potential technical problem. Remember to make a backup copy of all important data on a separate storage unit, so that you have a reliable copy in the event of loss or accidental damage of data.

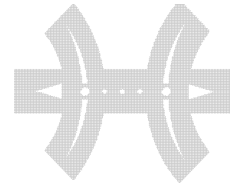
Users must always observe the basic precautions listed below to be certain of making best use of their PikaOne peripheral in complete safety. By following this short list of precautions, you will avoid physical injury and damage to your peripheral and other computer equipment. In particular, make sure you observe the following recommendations (NB: Non-compliance with the precautions given below can result in cancellation of your peripheral's guarantee):

USER SAFETY

- Read this user's manual carefully and follow the procedure indicated to install your equipment.
- Do not open the device and do not try to disassemble or modify it.
- To avoid all risks of electric shock, fire, short-circuit or hazardous emission, never insert metal objects into the device. This device does not contain any internal elements that can be repaired by you. If your peripheral shows signs of malfunction, have it examined by a PikaOne approved technician.
- Never expose this device to rain, or put it in a place where it might come into contact with water, or put it in a damp environment. Never place on top of it any recipient containing any kind of liquid, which could risk spilling onto internal parts. This would expose you to the risk of electrical discharge, short-circuit, fire and physical injury.
- Check that the peripheral and the computer are connected to sockets equipped with an earth wire. If they are not earthed, you expose yourself to the risk of an electric shock.

GENERAL PRECAUTIONS

- Do not expose the peripheral to ambient temperatures outside the 5° C to 35° C range. You will risk damaging the device or damaging its case. Avoid placing the device near a heat source or exposing it to sun radiation (even through a window). An environment that is too cold or damp can damage the unit.
- Always unplug your peripheral from the electrical socket in the event of a storm, or when you do not intend to use it for some time. Otherwise, you needlessly increase the risk of electric shock, short-circuit or fire.
- Only use the power pack and power cable supplied with the peripheral.
- Do not place heavy objects on top of the device or exert excessive pressure on its connectors. You will risk damaging your equipment.
- Always place your peripheral in a stable horizontal position before using it. Any fall might risk damaging the device and/or result in damage to or loss of data.
- Avoid exposing your peripheral to excessive levels of dust during use or storage. Dust can accumulate in the device and cause damage or malfunction.



ATTENTION

- Do not use any benzene-based product, solvent, detergent or other chemical product to clean the device. This type of product will discolour and spoil the materials used for the case and the front panel. Simply wipe the device with a soft dry cloth.

CERTIFICATIONS AND COMPLIANCE



WITH EUROPEAN COMMUNITY STANDARDS

PikaOne declares that this device has undergone control tests and has been declared compliant with the restrictions laid down for information technology equipment through European standard EN55022 relating to radio frequency emissions. Standard EN55022 is in accordance with regulation CISPR22, published by the International Committee on Radio Interference. The CE label applied to this product testifies that declaration of compliance with the current European directives mentioned below has been carried out:

- Directive 73/23/EEC, relating to low voltage
- Directive 89/336/EEC EMC, EMC directive (standards for electromagnetic compatibility)

NOTICE OF COMPLIANCE

WITH THE STANDARDS OF THE DEPARTMENT OF COMMUNICATIONS OF CANADA

This digital device satisfies all the requirements of Canadian regulations relating to devices liable to cause radio electric interference.

NOTICE OF COMPLIANCE

WITH THE STANDARDS OF THE FEDERAL COMMUNICATIONS COMMISSION



This equipment has undergone control tests, and has been declared compliant with the restrictions laid down for class B digital devices, through section 15 of FCC regulations. These restrictions are intended to ensure reasonable protection from unwanted interference when this device is functioning in a commercial environment. This equipment produces, uses and emits radio frequency radiation, and, in the event of installation or use that does not comply with the instructions provided in this manual, can cause unwanted interference with radio reception. Use of this equipment in a residential environment risks causing harmful interference, a problem that the user must rectify at their own expense. This peripheral complies with

provisions 15 of the FCC regulations. Use of the equipment is subject to the following two conditions: (1) this device must not cause harmful interference; and (2) this peripheral must accept any interference received, including that which is liable to result in poor operation.

REGISTERED NAMES AND TRADEMARKS

All registered names and trademarks cited in this document are protected by copyright and belong to their respective owners. Unless otherwise stated, the names of companies, products, persons and information used in the examples are fictional. Any resemblance to existing names is fortuitous.

POTENTIAL MODIFICATIONS

The instructions and specifications appearing in this manual are for information only and may be changed without prior notice by PikaOne. This document has been put together with the utmost care, with the aim of providing you with reliable information. However, PikaOne cannot be held responsible for consequences related to any potential errors or omissions in the documentation.

PikaOne reserves the right to alter this manual or to make improvements to the design of the product, without any restriction or obligation to inform users of them.

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FLY CASE PRO

EXTERNAL STORAGE PERIPHERALS

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FLY CASE PRO

EXTERNAL STORAGE PERIPHERALS

INTRODUCTION

PRESENTATION

The PikaOne FlyCASE PRO is an external storage peripheral integrating the latest FireWire B (800) interfacing technology. The FlyCASE PRO is equipped with two 3,5" standard format hard disks connected in RAID 0* to reach high performance and high capacity.

Available in storage capacities of up to 800 GB and higher **, FlyCASE PRO is also the ideal tool for DVD authoring, 2D/3D animation, audio editing and for system backup. FlyCASE PRO FireWire 800 interface and small physical size makes transporting content among computers quick and easy.

For Digital Video users who demand the absolute best performance from their DTV system. From home users all the way up to professional post production studios with the latest dual stream, real time systems!!

It is the ideal product for the applications using big amount of information's and high transfer performances like video, audio and database applications.



(*) RAID 0 level or Stripping is not redundant. In Level 0, data is split across multiple drives resulting in faster data throughput. With no redundant information stored, performance is very good.

(**) Depending on the capacities of 3,5" hard disk drives available in the market.

MAIN CHARACTERISTICS

The main characteristics of the FlyCASE PRO are:

- FireWire 800 and 400 ports.
- Storage capacities up to 800 GB**.
- "Plug and Play". Hot plugging and unplugging.
- Integration of standard 7200 RPM high-performance ATA hard disk drives. Any disk on the market meeting 3,5" physical standards is supported.
- Standard interfacing compatible with SBP2/IEEE-1394A and B with host computer.
- External power supply (12V/5V).
- Multi-platform. Compatible with the main OS on the PC/MAC market.
- Designed for professional content creation applications.
- Supports multi-stream video playback with real-time effects on Final Cut Pro HD, Premiere Pro and others.
- Professional design, compact aluminium enclosure.
- Mac OS and Windows compatible.
- Built in fan for an excellent airflow.

HARDWARE CONFIGURATION REQUIRED

Mac or PC equipped as standard with FireWire A or B interface or FireWire/iLink PCI card (SBP-2 compatible).

CAUTION

Under certain conditions, it is possible that a FireWire PCI card for MAC or PC of another manufacturer does not work with your FlyCASE product. We advise you to check with card manufacturers the following compatibilities:

- FireWire card (IEEE-1394) must be fully compatible with the Serial Bus Protocol (SBP-2) for storage devices and with the Open Host Controller Interface (OHCI). OHCI is a standard that allows a computer host to interface with FireWire devices.

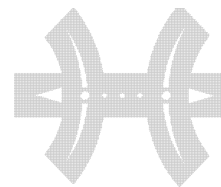
NOTE

Under certain conditions, it is possible that a FireWire card A or B does not work with the FlyCASE PRO. PikaOne cannot guarantee proper operation of the peripherals in its range with all FireWire cards available on the market.

If your FireWire interface card or your computer is equipped with a 4-pin FireWire connector, obtain a FireWire "4- to 6-pin" type cable.

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INTRODUCTION

MINIMUM SYSTEM CONFIGURATIONS REQUIRED

	FireWire 400 (400 Mb/s) System	FireWire 800 (800 Mb/s) System
PC	<ul style="list-style-type: none"> • Pentium II 350 Mhz or higher -compatible processor, with a FireWire/IEEE 1394/iLink/DV interface card (SBP-2 compatible). • 64MB RAM or higher. • Windows 98SE, Windows ME (Millenium Edition), Windows 2000 and Windows XP. 	<ul style="list-style-type: none"> • Pentium III 350 Mhz or higher compatible processor, with FireWire 800/IEEE 1394b interface card. • 128MB RAM or higher. • Windows 2000 (SP4) and Windows XP (SP1).
MAC	<ul style="list-style-type: none"> • MAC G3 or greater, with FireWire 400/IEEE 1394a interface card. • MAC OS 9.1 (Apple FireWire support 2.3.3 and greater) or higher. 	<ul style="list-style-type: none"> • MAC G4 or G5 with a FireWire 800/IEEE 1394b interface card. • MAC OS 10.2.4 or higher.

CAUTION

(*) If your computer is equipped with an earlier version of MS Windows or Mac OS, you will not be able to use your FlyCASE PRO until you have upgraded your operating system.

INTERFACE ICONS

These icons will enable you to easily identify FireWire interfaces. They also appear on FireWire cables next to FireWire port connectors on certain computers. The generic names given to the FireWire interface (IEEE 1394) can vary. Three examples are given below:



FireWire

FireWire (IEEE 1394,) and FireWire 800 (name given by Apple to the IEEE 1394).



iLink (Name given by Sony to the IEEE 1394).



DV (Reference to the IEEE 1394 mainly used on digital camcorders)

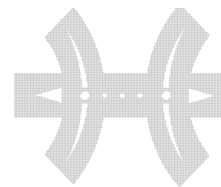


UNPACKING

As soon as you receive your package, please check the outer packaging. If it looks damaged, this can mean that the contents are also damaged. In this case, do not take the product out of its box and notify your dealer immediately. If the outer packaging looks fine, check the content details below:

- 1 FlyCase PRO system.
- 1 FireWire cable (6 to 6 pin).
- 1 FireWire cable (6 to 4 pin-iLink/DV connector).
- 1 FireWire 800 to 800 cable (9 to 9 pin).
- 1 CD containing drivers & User's manual
- 1 external power supply adapter (12V/5V)
- 1 Quick Install guide

Please contact your dealer if you notice any physical damage, or if one of the components of this package is missing.



HARDWARE INSTALLATION

LEADS AND CONNECTIONS

DIFFERENT FIREWIRE CONNECTORS EXISTING IN THE MARKET



iLink/DV connector (4 points)

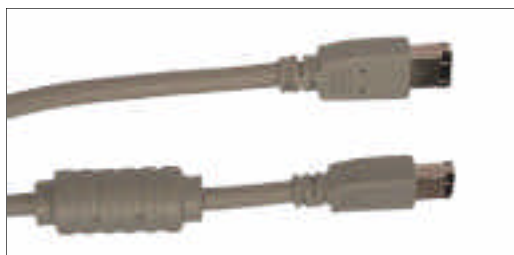


Firewire iEEE 1394 connector (6 points)



FireWire 800 connector (9 points)

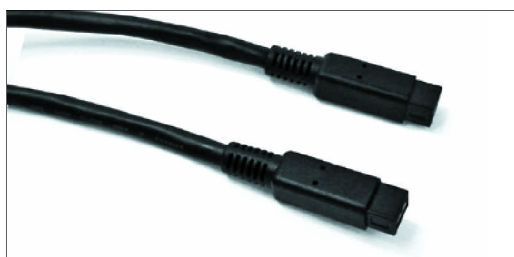
DIFFERENT CABLES SUPPLIED WITH YOUR FLYCASE PRO



FireWire cable (6 to 6 pin)



iLink cable (6 to 4 pin)



FireWire 800 to 800 cable (9 to 9 pin).



REAR VIEW OF THE FLYCASE PRO

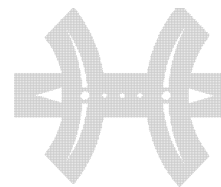
At the back of your FlyCASE PRO, you will find 1*Firewire iEEE 1394 connector (6 points) and 2*FireWire 800 connectors (9 points)

LED AND OPERATING LIGHTS

OPERATING LIGHTS LED



LED	Description
Disk access	Flashing red light indicates access to disk
Power On/Off	Continuous blue light indicates power is On



HARDWARE INSTALLATION

START-UP PROCEDURE

CAUTION

Before starting the installation procedure, refer to appendices, to learn about the limitations and possibilities that FireWire interface offer you. Also refer to paragraph (minimum requirements page 6) and check whether your whole system meets the required configurations.

1. Connect the external power supply supplied with your FlyCASE PRO on the rear Power Supply connector of the FlyCASE PRO and the other end to the wall outlet.
2. Connect your computer to the wall outlet.
3. Power On your computer.
4. Switch On your FlyCASE PRO (On/Off switch at the rear of the FlyCASE PRO).
5. Connect one end of the selected FireWire cable to your FlyCASE PRO and the other end to the FireWire port of your computer. A few examples are given hereafter.
6. After a few moments, the "Power On" light of your FlyCASE PRO will shine a continuous blue. Your computer is now ready to detect your FlyCASE PRO. To finish installing your FlyCASE PRO refer to the next chapter.



Connecting a PC equipped with a Mini FireWire.

REMARK

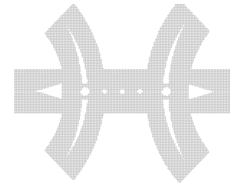
Your FlyCASE PRO has 2 FireWire 800 connectors. The second connector allows you to chain another FireWire peripheral, which will be recognized by the same computer.



Connecting a Mac equipped with a FireWire 400.



Connecting a MAC equipped with a FireWire 800.



SOFTWARE INSTALLATION

● INSTALLATION WITH MAC OS

Follow the start-up procedure (page 8),

- Before connecting your FlyCASE PRO to your Macintosh, you must install the "PikaFORMAT" software.
- PikaFORMAT is a program that will allow you to format, reformat, configure or clear partitions. This program will help you prepare your FlyCASE PRO for use with MAC OS 9.x (page 10).
- Insert the "PikaOne Softwares & Drivers" CD supplied with your product.
- Go into the "MACOS" directory of your CD, and "Drag/Drop" the "PikaFORMAT" program from your CD to the hard disk or to the desktop of your MAC (except for OS 10, see note).

CAUTION

PikaFORMAT does not work in MACOS 10.x. You can use the "Apple Disk Utility" software included in OS 10.x to format, reformat, configure or clear partitions.

- Remove your CD and put it in a safe place.

If, on connecting your FlyCASE PRO on your MAC, you see a message inviting you to initialize the disk, (which is normal, if you are connecting the FlyCASE for the first time), select Mac OS extended/HFS+ and click on "Initialize".

CAUTION

With FireWire interface version 2.3.3 and later, no driver is necessary. An update can be downloaded from the "Support" section at www.apple.com

- Check that the BLUE power light on your FlyCASE PRO is on and the RED Activity Disk LED is OFF.
- Run the PikaFORMAT program from your MAC.
- Now, the PikaFORMAT main screen is displayed on the screen.
- Select and format the partitions as you want them, then quit the program when the format is completed.
- Unplug and plug again the FireWire cable on your FlyCASE PRO.
- Your partitions are ready to use.

For more information on the use of "PikaFORMAT", refer to next chapter.

● INSTALLATION/UNINSTALLATION WITH WINDOWS

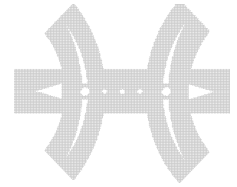
INSTALLATION

PikaFORMAT enables you to format, reformat, configure or clear partitions in Windows.

A procedure for automatic installation of all PikaOne software programs for Windows is available on the "PikaOne Softwares & Drivers" CD supplied with your FlyCASE.

To do this, follow the procedure below:

- Follow the start-up procedure (page 12),
- Install your full hardware configuration, and then switch on your computer and your FlyCASE PRO.
- Insert the "PikaOne Softwares &..." CD supplied with your FlyCASE PRO.
- Using the Windows explorer, go into the directory of your CD "D:\FlyCASE\Windows\PikaSuite\", and run the "Install.exe" program.
- Click on "Installation" and follow the messages displayed on your screen.
- Once installation has finished, a screen message will confirm that it has been successful. Click on "OK".
- Remove your CD and put it in a safe place.
- Then connect your FlyCASE PRO. If the FlyCASE PRO is being used for the first time, it should not be visible in the Windows WORKSTATION. Therefore you must prepare it with PikaFORMAT using the following procedure:
- Run the "PikaFORMAT" program from your Windows shortcut available on your Windows Desktop or in "Start/Program/FlyCASE".
- Now, the main screen of your PikaFORMAT software will be displayed (note "b").
- State and format the partitions as you want them, then quit the program.
- To initialize the new configuration, you must disconnect the FlyCASE from Windows, then unplug and plug again the FireWire connector.
- Your partitions are now available on your WORKSTATION and ready to use.



SOFTWARE INSTALLATION

CAUTION

- a. No special driver is necessary with Windows 98SE and Higher version.
- b. For more information on the use of "PikaFORMAT", refer to next chapter.
- c. "PikaFormat" will format your FlyCASE PRO in FAT32 only. If you need to format it in NTFS format, with Windows 2000 and XP, you can also use the Windows disk manager to format in NTFS File system and partition your FlyCASE.

UNINSTALLATION

If the software have already been installed and are available in the

<Start /Program/FlyCASE> menu, the "INSTALL" program will behave as an "uninstaller" by displaying the "Uninstall" button. The Installer will remove the PIKBACKUP.EXE and PIKAFORMAT.EXE programs. Once the operation has finished, a screen message will confirm that this has been successful. Also, in "Start/Programs/Start-up", an "UNINSTALL" shortcut will enable you to uninstall the PikaOne programs.



THE PIKAFORMAT SOFTWARE

This software will enable you to simply and graphically format, re-format, partition and re-partition your FLYCASE in several MAC or PC Partitions.

CAUTION

formatting or partitioning a disk wipes all data on your FLYCASE. Only use this program if you understand the consequences of it and after analyzing the usefulness of it.

When the program is activated, an automatic search for PikaOne FLYCASE drivers connected to your computer is done and a report on current partitions is displayed.

On PC

the display will be in French if your Windows installed is in French. It will be in English for all other languages.

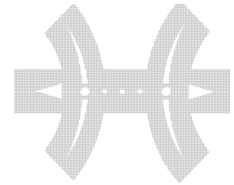
On MAC

the display will be in English by default. To change to French, click on the PikaOne logo at the bottom left of the PikaFORMAT screen.

In the example below, 2 FLYCASEs are connected to your computer; in order to access either of these disks, you just need to click on the corresponding tab, and the information concerning it will be displayed on your screen:

- The first is connected to a FireWire interface and the second to a USB (1 or 2) output. The interfaces detected are shown on the tabs displayed at the top of the frame of the PikaFORMAT screen.
- The first disk (FireWire) is partitioned in three partitions: the partitions displayed in blue are those that are formatted in PC FAT 32 format viewable with PC and MAC, and the partition that is displayed in red is in MAC HFS format.

The MAC HFS partition can only be viewed and used with a MAC computer.



SOFTWARE INSTALLATION

To Size and modify a partition.

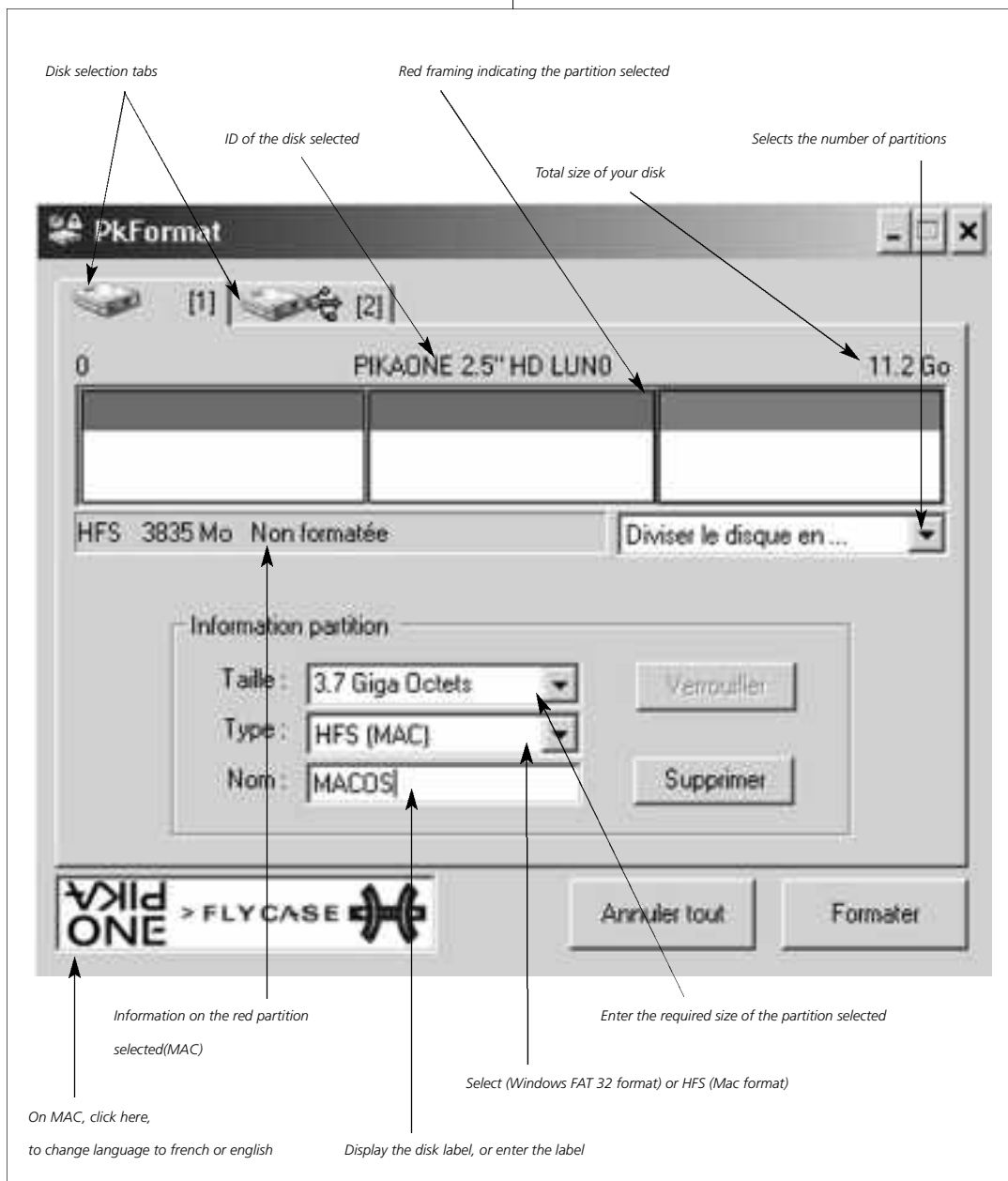
You have three possibilities for partitioning your disk:

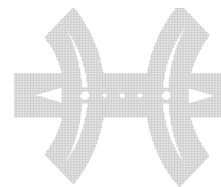
- You can use the drop-down menu "DIVIDE THE DISK INTO ...", which will divide the disk into equal-sized partitions.
- After dividing your disk, Click on the 1st partition (the one

on the far left of the screen) and type in the size required for this partition. Then on the 2nd, etc.

- You can also adjust your partitions using your mouse.

This method is not available with MAC.





SOFTWARE INSTALLATION

- Click on the right side of the square of the partition to be modified and adjust the size of the first partition by keeping the left button of your mouse pressed down and moving it to the left (screen 1). The size of your partition will be displayed in real time in the bottom left-hand corner of the square. When you release the mouse (screen 2), information on the new size will be displayed next to the "Size" box on your screen.
- To create another partition, click on the free gray area as shown in screen 3, and still keeping the button pressed down, move the mouse to the left (screen 4).
- Follow the same procedure to create other partitions.

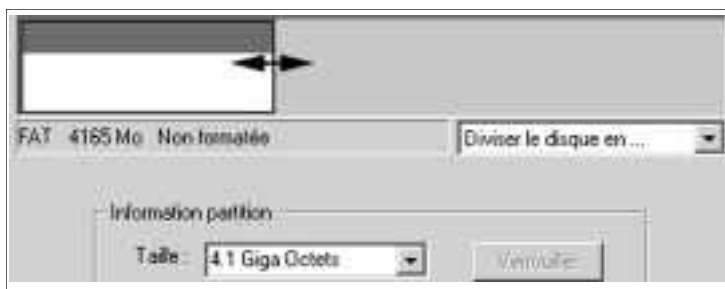
After creating all the sizes of your partitions (screen 5), all that remains is to define the type of formatting required and the name you want to give them:

At this point you can always start again; all you need to do is click on a partition and clear it by clicking on the "DELETE" button of your software.

- Click on the first partition (red framing indicates the current selection; see screen 5) and define the type of partition required using the drop-down menu on the left of the "TYPE" box. Select FAT (Windows format) or HFS (MAC format).
- Define the name of your partition by clicking on the "NAME" box and keying in the new name (11 characters max.). Only use alphanumeric characters. Your disk is ready to be formatted.



Screen 1



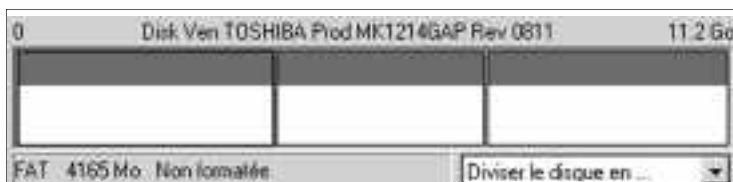
Screen 2



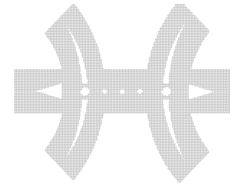
Screen 3



Screen 4



Screen 5



SOFTWARE INSTALLATION

● TO FORMAT YOUR FLYCASE

TO FORMAT YOUR FLYCASE

• During any operation when you click on "FORMAT", a number of warning messages will appear warning you of the consequences for your existing data. Current partitions are also locked in order to prevent mistakes.

Never disconnect the disk during formatting

WHEN FORMATTING HAS FINISHED

• Under Windows

- Use the green eject arrow in the task bar in the bottom left of your Windows screen before disconnecting and reconnecting it. Your 2 Windows partitions will appear in your WORKSTATION as shown in screen.

• Under MAC

- Disconnect the USB cable and reconnect it so that all MAC partitions of your FlyCASE are mounted on the desktop,
- Or, after exiting the PikaFORMAT program, reboot your MAC. Your PIKA_MAC disk will then be available and ready to use, and will appear on your MAC desktop

CAUTION

During normal use, you must always drag and drop your FlyCASE into your MAC's wastebasket before disconnecting your FlyCASE. Otherwise, you can risk crashing your MAC and losing your current work.

● PIKABACKUP SOFTWARE

INTRODUCTION

The PikaBACKUP program will enable you to make a back up your internal disk or one of its directories to a FlyCASE with USB or FireWire.

PikaBACKUP only works with FlyCASE PikaOne disks.

It works with Win 98 SE, Me, 2000 and XP.

Only files authorized by Windows can be copied.

Messages will be displayed in French if Windows is in French, and in English for all other versions of Windows.

You will find this software very useful for saving your critical data, as it alerts you to any problem that may arise on your computer's internal hard disk.

We advise you to organize your internal hard disk and save all your work files (Word, Excel, Photoshop, etc.) in the "My Documents" directory. Having done this, you can back up all your work with PIKABACKUP, entering "My Documents" as the source directory containing the sub-directories where you have stored all your documents.

It is not worth backing up your entire hard disk, since, if a problem occurs, you can always reinstall software from your original CDs. This method will enable you to:

- Manage your internal hard disk in the best possible way.
- Not saturate your FlyCASE with useless data.
- Quickly retrieve all your files.
- Make backups more quickly.

PikaBACKUP has many advantages:

- It will only back up data that you have modified.
- It will store your data in a directory, the title of which will state the date and time of the last backup, and will continuously be updated after each backup.
- It will automatically detect insertion of your FlyCASE and will automatically run to update your backup (page 4).
- On the same FlyCASE backup disk, you can back up a number of volumes from different sources.

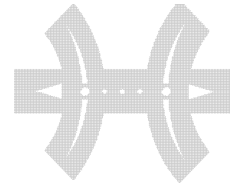
PikaBACKUP will recognize them and only update the relevant destination directories.

• In every directory of every backup it creates an "OLD" directory where it stores the last version of modified files. If you decide to remove these old versions from your backup FlyCASE, you can simply remove them using the Windows file scanner.

• It will allow you to restore your files by dragging and dropping these files to your work disk.

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SOFTWARE INSTALLATION

● INSTALLATION/UNINSTALLATION OF PIKABACKUP

■ INSTALLATION

An automatic installation program for PikaOne software and drivers, "INSTALL.EXE", is available on the "PikaOne Software & Drivers" CD supplied with your FlyCASE.

To install these PikaBACKUP and PikaFORMAT programs, and the necessary drivers for this software to work properly, simply insert your CD, go into the "D:\FLYCASE\Windows\PikaSuite" directory (D: being the assignment of your CDROM drive), click on "INSTALL" and follow the messages displayed on your screen. Shortcuts to these programs will be available on the Windows desktop and in the "Start/Programs/FlyCASE" menu. A shortcut to PikaBACKUP will also be available in "Start/Programs/StartUp". When installation is finished, a screen message will confirm this. This enables PikaBACKUP to become resident each time Windows starts up. It remains in sleep mode and will start automatically when you connect your FlyCASE (see adjustments below).

■ UNINSTALLATION

If the software has already been installed in the "Start/Programs/FlyCASE" menu, the installer will behave as an "uninstaller" and display the "Uninstall" button. The Installer will remove PikaBACKUP and PikaFORMAT programs.

When the operation has finished, a screen message will confirm this. An "Uninstall" shortcut will also be available in "Start/Programs/StartUp", allowing you to uninstall the PikaOne programs.

● HOW TO BACK UP

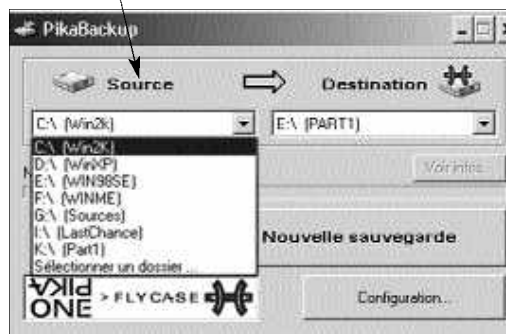
■ CHOOSING THE SOURCE

A source is a volume or a directory that you want to back up onto your FlyCASE.

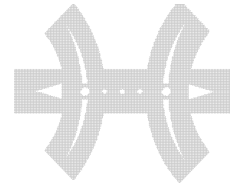
To choose the source, use one of the following two methods:

- Use the "Source" drop-down menu showing all the disks there are on your computer.

"Source" drop-down menu



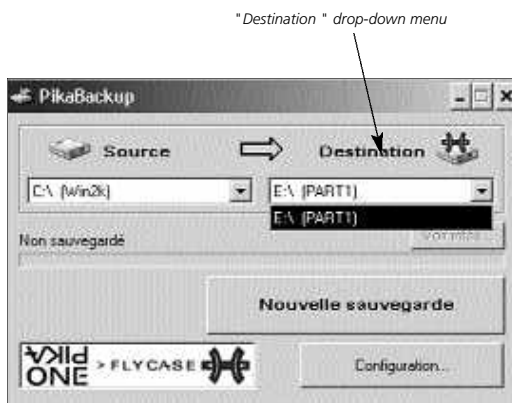
- Or, drag/drop the source (volume or folder) straight onto the PikaBACKUP application window, or onto its icon if the application has not been launched.



SOFTWARE INSTALLATION

CHOOSING THE DESTINATION

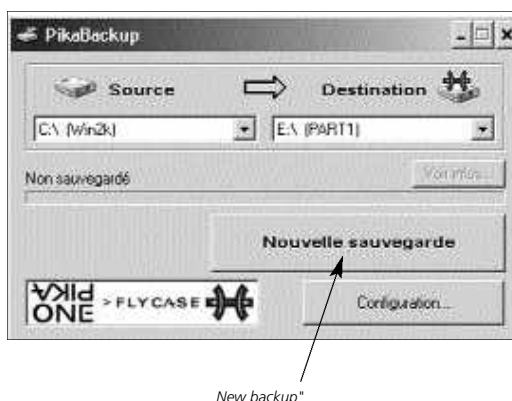
To choose the destination of the backup, simply use the "Destination" drop-down menu, which lists all the FlyCASEs connected to your PC



STARTING THE BACKUP

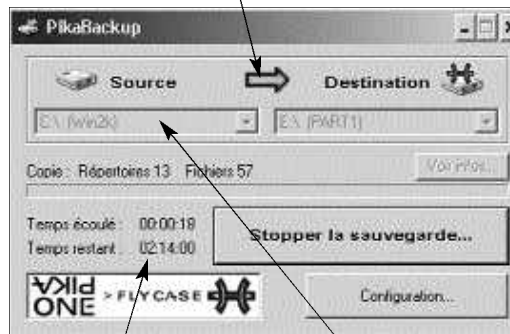
Before doing anything else, make sure the destination FlyCASE has enough disk space to back up the contents of your source. If it does not, your backup will be interrupted and file copy errors will appear in the INFO file available in the directory of the backup made to your FlyCASE. You can also access this file using the "Info" button available on the PikaFORMAT main screen.

Click on the "New backup" button.



A full copy of the "Source" is made on your FlyCASE during the first backup. This may take time.

The arrow fills up and empties during backup



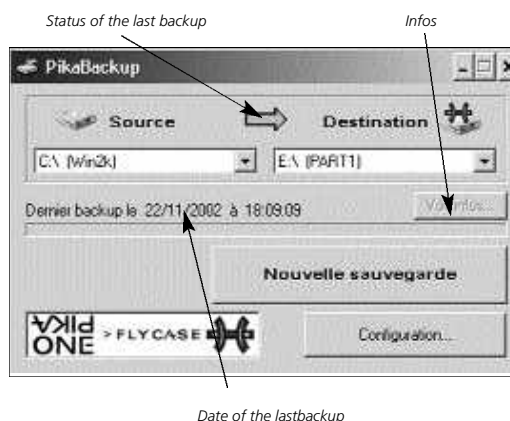
The quantity of directories and files copied

Indicates time spent and remaining

During subsequent backups, only modified files in the source will be backed up, considerably reducing backup time.

FINDING OUT ABOUT THE PROGRESS OF A BACKUP

When a source that has already been backed up in the current destination is selected, the date and its last status are displayed automatically.



Date of the last backup

A backup can have one of the following statuses:

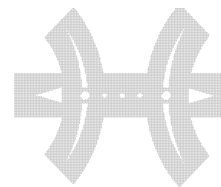
GREY: No backup was made in the selected destination;

RED: The backup was interrupted, either by the user, or because of an error;

YELLOW: Backup was completed but some files were not copied;

GREEN: Operation successful. All files were backed up.

More information is available. To access this information, simply click on the "Info" button.



SOFTWARE INSTALLATION

■ INFORMATION ABOUT THE BACKUP

NAME OF SOURCE VOLUME	Name of the volume used as the source for the backup
SOURCE PATH	Original path of the backup in the source volume
NAME OF DESTINATION VOLUME	Name of the volume used as the destination for the backup
DESTINATION PATH	Path of the backup in the destination volume
START DATE	Date on which the backup started
END DATE	Date on which the backup finished

■ STATUS OF THE BACKUP

STATUS	Indicates whether the backup was successful
SIZE OF DATA	Total size of files found in the source
NUMBER OF FOLDERS	Total number of folders found in the source
NUMBER OF FILES	Total number of files found in the source
FOLDERS TESTED	Total number of folders checked in the source
FILES TESTED	Total number of files checked in the source
FOLDERS CREATED	Total number of folders created in the destination
FILES UPDATED	Total number of files updated in the destination

■ ERRORS OCCURRING DURING BACKUP

CAUTION

This section gives the path and name of files that have caused problems during backup. The reason for the problem is also explained. Files that are in use or are opened in Windows cannot be copied; this is not because of serious errors.

■ SET UP AND CONFIGURE AUTOMATICALLY YOUR BACK-UPS

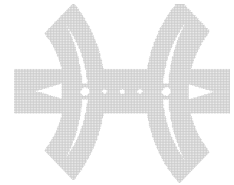
Once you have installed PikaBackup on your computer, a small icon will appear each time you start Windows on the bottom right hand side of the task bar menu.



This will allow you to configure or reconfigure PikaBackup following 3 possible options:

OPTION 1 Automatic launch every time a FlyCASE is connected

Whichever FlyCASE disk is plugged into your computer, and whether or not it has served as a destination for a backup, the application will be displayed and will allow you to use this disk for a new backup.



SOFTWARE INSTALLATION

OPTION 2 Automatic launch every time a FlyCASE already containing a backup is connected:

If the FlyCASE plugged into your PC contains at least one backup, the application will be displayed and will allow you to update the backup.

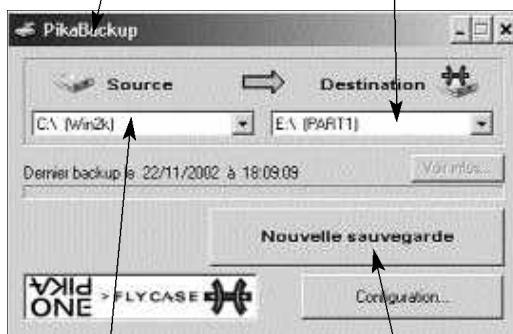
OPTION 3 Launching the backup on connecting the FlyCASE containing the last backup made.

When a FlyCASE that has already been used by your PC as a backup is connected to your PC, the backup will be updated automatically, and the new changes made on your computer will be backed up on the FlyCASE. Tick this option, and then restart the backup that you want to automate.

Subsequently, every time the FlyCASE is plugged into the source, the backup will be restarted to automatically update the backup on the FlyCASE. To deactivate this mode, simply click on the "Configuration" button and inhibit the automatic mode, before reconnecting the destination FlyCASE.

Click here to exit PikaBackup

Displays the destination directory



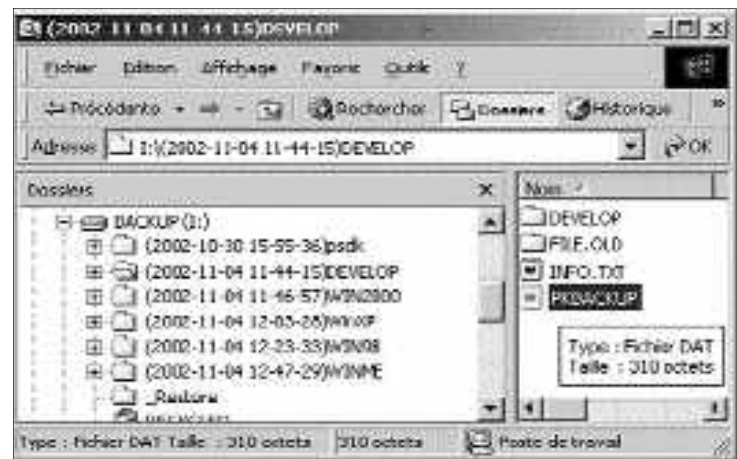
Displays the source directory

Starts the new backup

The "Clear display.... Source list..." button enables you to remove from the "sources" list display all the folders that have been used as a backup source. This does not delete the folders, only their appearing in the list, making it easier to read.

RESTORING FILES BACKED UP ON THE FLYCASE

On your FlyCASE you will find the directories of every backup, sorted by date. Inside each of them is the source directory with all the files that have been saved.

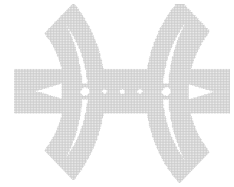


In the example above, the "DEVELOP" directory was backed up on 04 November 2002 at 11.44.

It contains a "DEVELOP" directory where sub-directories and files are backed up. This directory is a snapshot of the source from your PC that you have backed up.

The FILE.OLD directory contains the last changes between the last backup and the previous one. It will enable you to retrieve files that you have deleted or the old versions of your files, before the backup.

To restore files in your PC, or the whole of a directory or volume, simply copy them by dragging and dropping them onto your internal disk.



FIREWIRE® TECHNOLOGIE, IEEE 1394

The 1394 digital link standard was conceived in 1986 by technologists at Apple Computer, who chose the trademark 'FireWire', in reference to its speeds of operation. The first specification for this link was completed in 1987. It was adopted in 1995 as the IEEE 1394 standard.

The FireWire (IEEE-1394) high-speed bus is a serial-type bus. Its advanced characteristics meet requirements where transfer rates are very important. It is particularly suited to consumer audio/video (A/V) applications, storage peripherals, other PCs, and portable peripherals.

FireWire provides a "Plug and Play" extension interface for MAC or PC microcomputers.

Transfer speeds of 100-Mbps, 200-Mbps, and 400-Mbps are well suited to input/output multi-streaming audio/video applications. Future versions of FireWire will be able to reach transfer rates of 800 Mb/s and higher.

MAC OS 9.1 operating systems and higher, as well as recent versions of Microsoft_ Windows_, support the FireWire bus internally.

The main computer manufacturers today supply their systems with FireWire interface integrated as standard. You can chain up to 63 FireWire peripherals on the same bus, with a maximum of 16 peripherals per branch.

On the same FireWire chain you can mix FlyCASE with other products like burners, hard disks, etc, with a PikaOne or other brand FireWire interface. To do this, connect the first peripheral to a FireWire port on your computer and link the second FireWire connector of this peripheral to a port on the next peripheral, and so on, using the appropriate FireWire cables. As distinct from USB technology, you do not have to use a "hub" for FireWire connections. The IEEE 1394 multimedia connection enables simple, low-cost, high-bandwidth isochronous (real-time) data interfacing between computers, peripherals, and consumer electronics products such as camcorders, VCRs, printers, PCs, TVs, and digital cameras. with IEEE 1394-compatible products and systems, users can transfer video or still images from a camera or camcorder to a printer, PC, or television, with no image degradation.

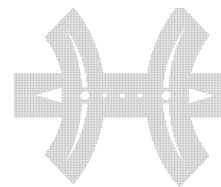
BENEFITS OF 1394

Applications that benefit from IEEE 1394 include nonlinear (digital) video presentation and editing, desktop and commercial publishing, document imaging, home multimedia, and personal computing. The low overhead, high data rates of 1394, the ability to mix real-time and asynchronous data on a single connection, and the ability to mix low speed and high speed devices on the same network provides a truly universal connection for almost any consumer, computer, or peripheral application.

FUTURE OF 1394

The strong multimedia orientation, self-configurability, peer-to-peer connectivity and high performance of 1394 have encouraged new, innovative product concepts soon to be released or in development now. With the advent this year of native IEEE 1394 support in Microsoft Windows operating systems, a number of new applications for 1394 will come forth that link the worlds of consumer and computer electronics.

FireWire "A" became the standard for digital content storage and management for graphic designers, digital audio and video makers, and anyone desiring fast, easy mass storage... and PikaOne are there at the beginning. Now the new FireWire 800 or 1394b products are arriving, and here we are again. Firewire 800 will revolutionize the technology, with a promised 800Mbps ceiling, about twice the limits of legacy FireWire. And PikaOne has the first good stuff.



● ADVICE FOR USE

You will find below some advice for use and technical explanations about how your FlyCASE PRO works, as well.

▲ ADVICE ON STARTING UP YOUR FLYCASE PRO

- After start-up of the system, the power status LED should shine a continuous blue light and the disk access LED should be off. If the power LED is off or flashing, there may be a problem with power supply.

- Connect the external power supply. If the power LED is still off, verify :

- That the On/Off switch at the rear of the FlyCASE PRO is "On".
- Try to use another Mains socket.
- Try to change the external power supply.

If the problem persists, contact technical support at your PikaOne dealer.

▲ ADVICE ON USING YOUR FLYCASE PRO

If your FlyCASE PRO must be connected to different types of computers, we advise you to format your FlyCASE in FAT 32 file system with the "PikaFORMAT" software. It is worth knowing also that FAT 32 format offers additional benefits in terms of performance, hard disk management (the cluster size (logical zone) is smaller than that of FAT 16 format) and in terms of information reliability. For these reasons we recommend that in every case you choose FAT 32 format.

CAUTION

Antivirus software that is not designed to function on a FAT 32 file system risks destroying all data on a FAT 32 disk, since it will treat the file system as a virus.

If your computer must only be used with MAC, it is preferable for reasons of performance and compatibility between several MACs to format your disk in HFS+ system.

▲ ADVICE ON STOPPING

OR DISCONNECTING YOUR FLYCASE PRO

If you wish to disconnect your FlyCASE from your computer, follow the procedure below to avoid destroying the internal hard disk of your FlyCASE PRO or permanently losing data stored in it:

With Windows 98SE

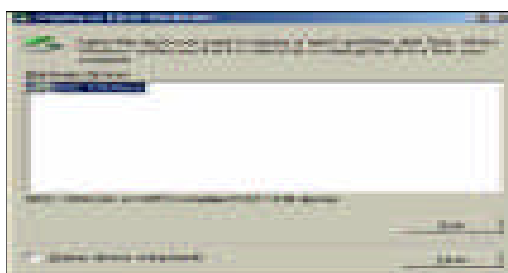
You can only disconnect your FlyCASE PRO when:

- The red disk access light is off.
- When the computer is not accessing the FlyCASE PRO hard disk.
- When no file available on the FlyCASE is being used, being opened by a program, or is on your desktop.

Look at the bottom right hand side of your screen "Unplug or eject hardware". Click on it.



1. Click on "stop" bottom.

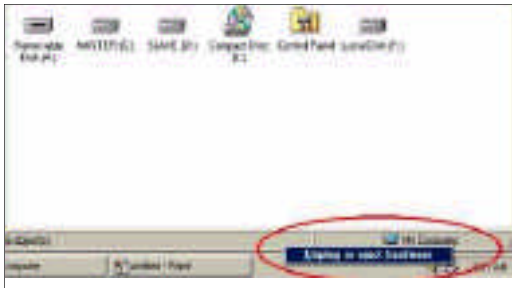
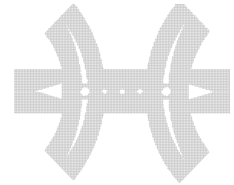


2. Click on the device you want to remove and click "OK".
3. Follow the instruction and click "OK".

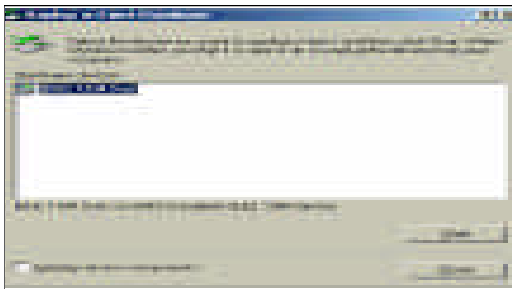
WITH WINDOWS ME, 2000 AND XP

You can follow the same procedure. However, we strongly advise you to follow the procedure below:

1. Right-click on the green arrow icon and "unplug or eject hardware" now will present on the right hand side bottom of the screen.



2. Click on the command "unplug or eject hardware" and click on "stop" in the new window.



3. Now click on the device you want to remove and click on "OK".
4. Follow the instruction and click on "OK" to reconfirm the successful removal.

WITH MAC OS.

- Remove your FlyCASE volume by dragging its desktop icon to the wastebasket.
- Now, you can disconnect the FireWire or USB2 cable and the power cable.

If you disconnect the FlyCASE using force without following this procedure, you risk "crashing" the MAC and losing information.

TROUBLESHOOTING

How can I format the FlyCASE PRO in NTFS format ?

The PIKAFORMAT software formats your drive in FAT32 to keep compatibility with the different versions of Windows. The NTFS format is stronger and more reliable than the FAT32 format. This format is recognized by Windows XP and Windows NT and 2000 only.

So, using XP or NT or 2000, you can format also the FlyCASE PRO in NTFS using the Hard Disk drive manager.

My FlyCASE PRO is not recognized

or is randomly recognized on my computer.

- Are both connectors of the FireWire cable firmly attached?
Disconnect the FireWire cable, wait 10 seconds and then reconnect.
Ensure that the FireWire connectors are properly aligned. FireWire cables can only be inserted one way. Make sure that they are correctly oriented.
Check that the FireWire connectors are straight and fully seated in the FireWire ports.
Only use certified FireWire cables, such as the cables provided with your PikaOne drive.
- Have the FireWire drivers been installed correctly and enabled*?
- Is there a conflict with other device drivers?

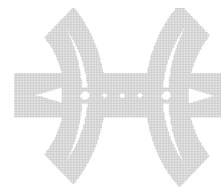
If you have followed all of these steps and the drive is still not recognized, shut down your computer, wait a moment and restart your computer to try again.

(*) You will find hereafter some information's on How to do an update of your Operating system and to verify if it is correctly installed:

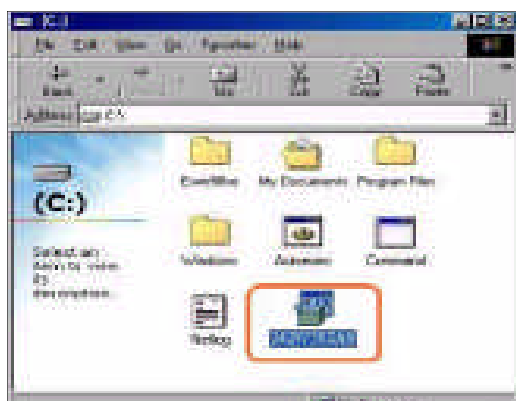
Your computer is running Window 98SE

1. Get on Microsoft internet site until reached to the Window 98 support website: www.microsoft.com/windows98





2. Find the software upgrade search function and key in 1394 before click "search".
3. Relevant finding results now appear on a new screen and click on first item "win...1394 storage...".
4. Now read the relevant information before clicking on "Next".



5. At last, enter the download page, the menu under the "License Agreement" is only set on English so please select a language desired.
6. Now open the drive where you first put your software and double-click the software, follow the instruction by clicking "Yes" to continue.
7. Follow the instruction by clicking "Yes" to continue.
8. Click "Yes" when the license agreement page appears.
9. Reboot the computer and open "My Computer" by double clicking the icon on the desktop. Power up the device by connecting each 1394 port on the computer and the device with the 1394 cable provided.
10. Select "My Computer" icon by double-clicking and turn up the new peripheral and connect the 1394 port on both computer and the device with the cable provided. A new drive

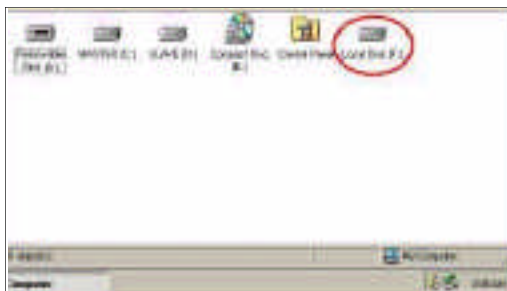


(listed as "E" drive in the picture) will appear in the "My Computer" file as shown below. A green arrow icon, representing an external device connection, will shown in the picture.

Your computer is running Windows ME

or Windows 2000 or Windows XP:

1. Turn the power on for both the 1394 and the computer. Connect the 1394 cable onto the 1394 ports for both the 1394 and the computer.
2. An "F" drive icon will show in "My Computer" and "Windows Explorer".



3. Now you will see a green arrow icon indicating new "F" Drive in the "My Computer" file and "Windows Explorer".



PIKAONE

TELEPHONE SUPPORT NUMBERS

If you need technical support, you can:

- Connect on our Internet site and send an email to the PikaOne Technical support at:

<http://www.pikaone.com/en/support/assistancetechnique.htm>

- Contact our nationalized Hotline at :

ENGLAND	44 (0) 207 949 0192
GERMANY	49 (0) 696 698 4715
SPAIN	34 (0) 9 13 49 65 05
FRANCE	33 (0) 3 87 17 01 33
ITALY	39 (0) 2 48 27 11 44